High power CD player with RDS tuner

Hochleistungs-CD-Player und RDS-Tuner

Puissant lecteur CD avec syntoniseur RDS

ENGLISH

ESPAÑOL

ITALIANO

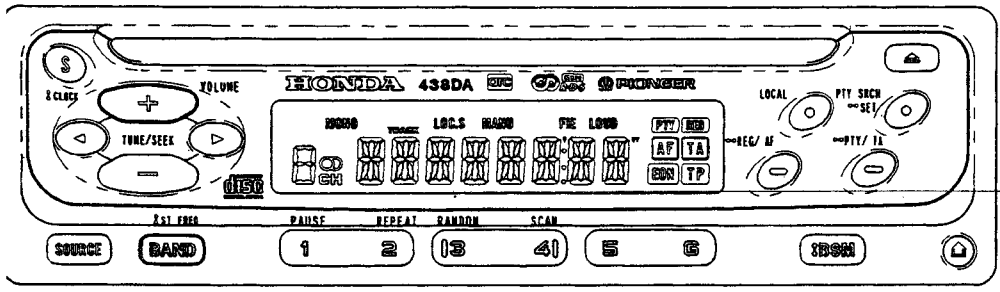
NEDERLANDS

DEUTSCH

FRANÇAIS

PORTUGUÊS

OWNER'S MANUAL
MANUAL DEL PROPIETARIO
MANUALE D'ISTRUZIONI
GEBRUIKSAANWIJZING
MODE D'EMPLOI
BEDIENUNGSANLEITUNG
MANUAL DO PROPRIETÁRIO



HONDA

08A06-386-600

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Before Using This Product

About This Tuner/CD Player

- This product complies with the EMC Directives (89/336/EEC, 92/31/EEC) and CE Marking Directive (93/68/EEC).

The tuner frequencies on this Pioneer RDS tuner/CD player are allocated for use in Western Europe, Asia, the Middle East, Africa and Oceania. Use in other areas may result in improper reception. The RDS function operates only in areas with FM stations broadcasting RDS signals.

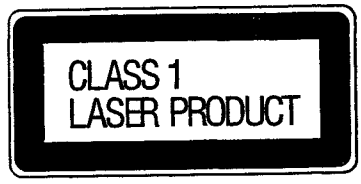
About This Manual

This tuner/CD player features a number of sophisticated functions ensuring superior reception and operation. All are designed for the easiest possible use, but many are not self-explanatory. This operation manual is intended to help you benefit fully from their potential and to maximize your listening enjoyment.

We recommend that you familiarize yourself with the functions and their operation by reading through the manual before you begin using the tuner/CD player. It is especially important that you read and observe the "Precautions" on this page and in other sections.

Precautions

- A "CLASS 1 LASER PRODUCT" label is affixed to the bottom of the player.



* Keep this manual handy as a reference for operating procedures and precautions.
* Always keep the volume low enough for outside sounds to be audible.
* Protect the tuner/CD player from moisture.
* If the battery is disconnected, the preset memory will be erased and must be reprogrammed.

In case of trouble

Should this product fail to operate properly, contact your dealer or nearest authorized Pioneer Service Station.

Detaching and Replacing the Front Panel

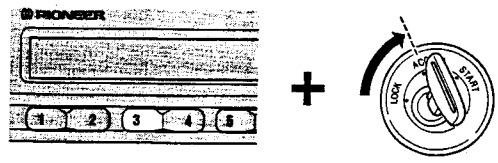
Theft protection

The front panel of the main body is detachable to discourage theft.

Warning tone

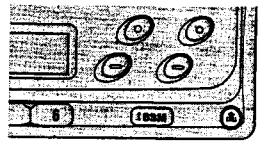
If the front panel is not detached within 5 seconds after the ignition is turned off, a warning tone will sound.

- **To cancel the warning tone function, press button 3 while turning the ignition key from OFF (Lock) to ON (ACC). Repeat the operation to reset warning tone function.**



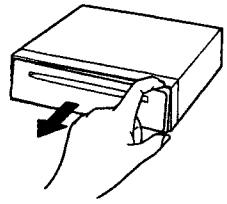
Detaching the front panel

1. **Press the Detach button.**

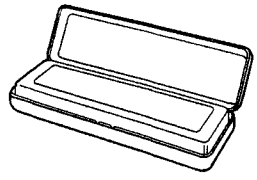


2. **Grip the right side of the front panel and pull it toward you.**

   Take care not to grip it tightly or drop it.

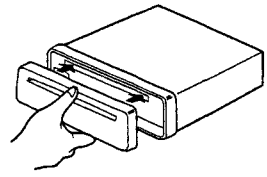


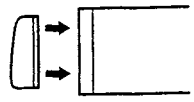
3. **Use the protective case provided to store/carry the detached front panel.**



Replacing the front panel

- **Replace the front panel by clipping it into place.**





Precaution:

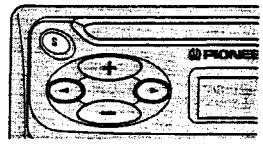
* Never use force or grip the display tightly when removing the front panel or replacing the front panel.
* Avoid subjecting the front panel to excessive shocks.
* Keep the front panel out of direct sunlight and high temperatures.

Time Display/Setting

Displaying the time

- **To turn the time display ON or OFF, press the S button for 2 seconeds or longer with the Source ON.**

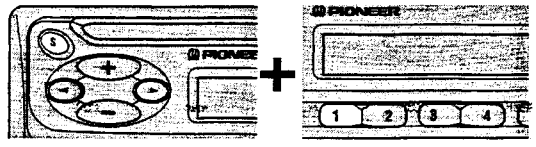
  The time display disappears temporarily when you perform another operation, but the time indication returns to the display after 25 seconds.



Setting the time

Setting the Hours

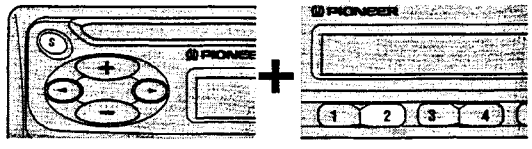
- **While holding down the S button for 2 seconds or longer, press button 1 to set the hour.**



Setting the Minutes

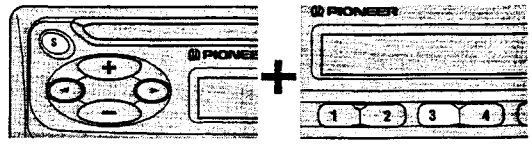
- **While holding down the S button for 2 seconds or longer, press button 2 to set the minute.**

  When you release the S button, the second count begins from 00 seconds.



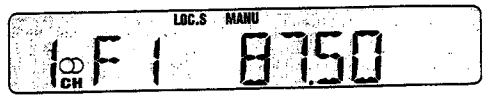
- **While holding down the S button for 2 seconds or longer, press button 3 to reset the minute and second indications to zero.**

  (eg. If the clock is reset while a time in the "11:30" — "12:29" range is displayed, the indication changes to "12:00".)



Note: The hour and minute can be advanced by pressing the respective buttons either consecutively or continuously.

Tuner Operation

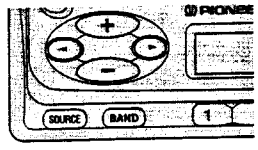


Tuner Source and Band

- **Push the SOURCE button to select Tuner.**

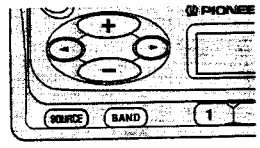
  The program service name or frequency appears on the display.

  ("◯" indicator lights when stereo station selected.)



- **Use the BAND button to select the desired band.**

  (F1, F2, MW/LW)



AF Function Switching

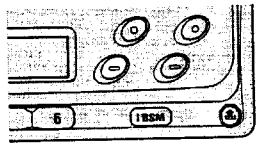
This tuner/CD player's AF function can be switched ON and OFF. AF should be switched OFF for normal tuning operations.

- **Press the AF button to switch AF OFF.**

  "AF" disappears.

  Press the AF button again to switch AF ON.

  "AF" appears on the display.

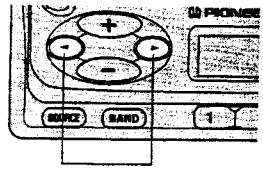


Manual and Seek Tuning

Both Manual (step-by-step) and Seek (automatic) tuning are available.

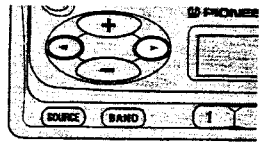
1. **Press the (◄) and (►) buttons simultaneously to switch alternately between the Manual and Seek tuning modes.**

   The "MANU" indicator lights when Manual tuning is selected and turns OFF when Seek tuning is selected.

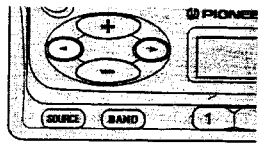


2. **Press the (►) button to tune the receiver to a higher frequency.**

   MANU ON (Manual tuning):
   The frequency changes step by step.
   MANU OFF (Seek Tuning):
   The tuner automatically seeks out and receives broadcasting stations.



- **Press the (◄) button to tune the receiver to a lower frequency.**



Local Seek Tuning

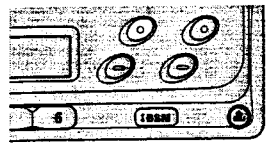
This mode selects only stations with especially strong signals.

To Select Local Mode

- **Press the Local button to enter the Local mode.**

  "LOC.S" indicator lights.

  To cancel the Local mode, press the Local button again.



Adjusting Local Seek Sensitivity

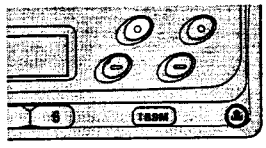
The Sensitivity can be adjusted in 4 steps for FM and 2 steps for MW/LW.

1. **Depress the Local button for 2 seconds or longer.**

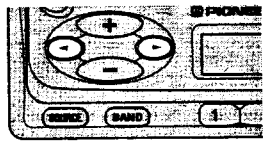
   The current Local Seek sensitivity (eg. "LOC-2") is displayed.

   Repeat to switch in and out of the Local Seek Sensitivity setting mode.

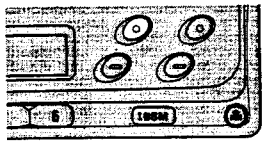
   The display reverts to the previous indication after 5 seconds of inactivity.



2. **Use the (◄) button or the (►) button to raise or lower the sensitivity of Local Mode Seek tuning.**



3. **Press the Local button to return normal display.**



Preset Tuning

Up to 12 FM stations (6 each in FM1, FM2) and 6 MW/LW stations can be stored in memory.

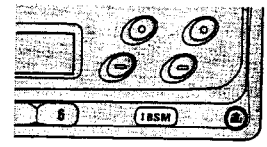
Store the sations in memory under buttons 1-6 beforehand with the BSM (Best Stations Memory) or Preset Memory function.

BSM (Best Stations Memory)

The BSM function stores stations in memory automatically.

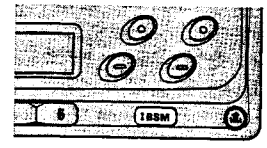
- **Press the BSM button for 2 seconds or longer to enter the BSM mode.**

  "BSM" starts flashing on the display.



The stations with the strongest signals will be stored under buttons 1-6 and in order of their signal strength.

- **To cancel the process before completion, press the BSM button again.**



Preset Memory

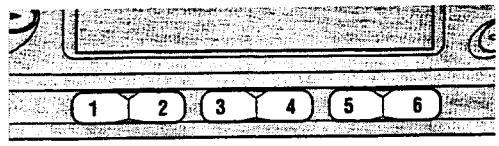
The Preset Memory function stores stations in memory manually.

1. **Select the station whose frequency you want to store in memory.**

2. **Press one of buttons 1-6 for 2 seconds or longer.**

   The station is stored in memory under the selected button.

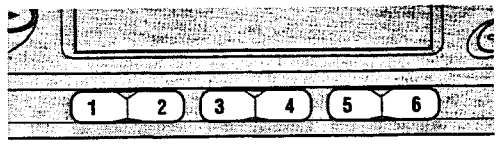
   The selected preset number flashes on the display, then changes to a steady indication when input is completed.



Recalling Preset Stations

- **Press one of buttons 1-6 to recall a station preset under that button.**

  The recalled preset number is shown on the display.



Audio Adjustment

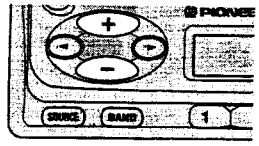
The audio modes are selected for adjustment with the S button. Volume adjustment is the default mode. When another mode is selected for adjustment, the setting returns to the Volume mode after 8 seconds.

Volume Adjustment

- **Press the (+) button or the (–) button repeatedly to raise or lower the volume.**

  The display shows low to high volumes from "VOL 00" to "VOL 30."

  Note: Holding down the buttons increases or decreases the volume level more rapidly.



Change the Setting Mode

Each time the S button is pressed, the display message and the functions of the (+), (–), (◄) and (►) buttons change in the following order:

F. I. E. mode — Fader/Balance — Bass/Treble — Loudness.

Using the F. I. E. function

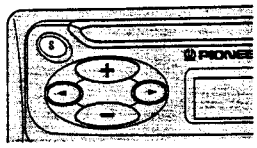
The F. I. E. (Front Image Enhancer) function is a simple method of enhancing front imaging by cutting mid- and high-range frequency output from the rear speakers, limiting their output to low-range frequencies.

Note: When the F. I. E. function is deactivated, the rear speakers output sound in all frequencies, not only bass sounds. Reduce the volume before disengaging F. I. E. to prevent a sudden increase in volume.

1. **Use the S button to select the F. I. E. mode**

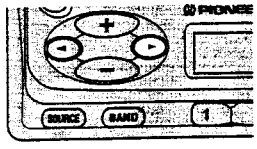
   "FIE OFF" appears on the display.

   After adjustment use the S button to return to the normal display.



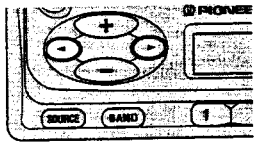
2. **Press the (►) button to activate the F. I. E. function.**

   "FIE ON" appears and "FIE" indicator lights on the display.



- **To cancel the F. I. E. function, press the (◄) button.**

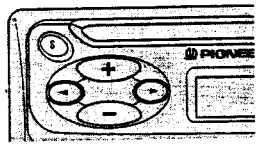
  The display message returns to "FIE OFF".



3. **Use the S button to select the Fader/Balance mode.**

   This function adjusts the front and rear speaker volumes for better balanced listening.

   (Refer to next section.)



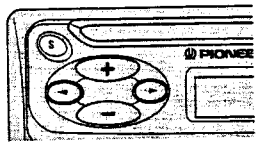
Balance Adjustment

The function allows you to select a Fader/Balance setting that provides ideal listening conditions in all occupied seats.

1. **Use the S button to select the Fader/Balance mode.**

   "FAD" or "BAL" appears on the display.

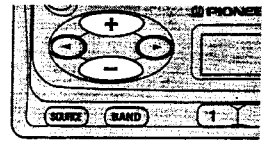
   After adjustment use the S button to return to the normal display.



2. **Press the (+) button or the (–) button to shift the balance progressively to the front or rear speakers.**

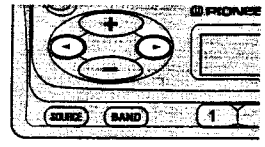
   "FAD F15" ~ "FAD R15" is displayed as it moves from front to rear.

   Note: "FAD 0" is the proper setting when 2 speakers are in use.



3. **Press the (◄) button or the (►) button to shift the balance to the left or right speaker, respectively.**

   "BAL L9" ~ "BAL R9" is displayed as it moves from left to right.



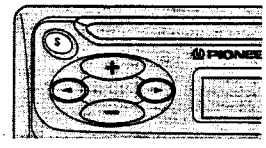
Bass/Treble Adjustment

This tuner/CD player is equipped with two tone adjustment modes, the Bass Adjustment and Treble Adjustment modes.

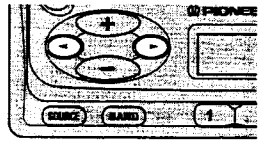
1. **Use the S button to select tone adjustment mode.**

   "BAS" or "TRE" appears on the display.

   After adjustment use the S button to return to the normal display.

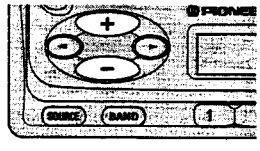


2. **Press the (◄) button or the (►) button to select "Bass Adjustment mode" or "Treble Adjustment mode".**



3. **Press the (+) button or the (–) button, respectively, to increase or decrease the intensity of the bass or treble, whichever is selected.**

   The display shows "+6"—"–6".



4. **Repeat steps 2-3 above for the other Bass or Treble Adjustment mode.**

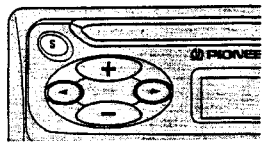
Loudness Adjustment

The Loudness function compensates for deficiencies in the low and high sound ranges at low volume.

1. Use the S button to select the Loudness adjustment mode.

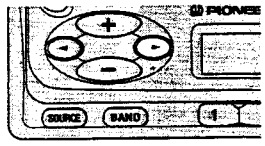
"LOUD OFF" appears on the display.

After selection use the S button to return to the normal display.



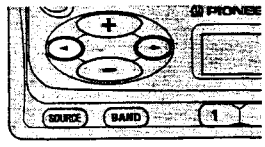
2. Press the (►) button to activate the Loudness function.

"LOUD ON" appears on the display.



- **To cancel the Loudness function, press the (◄) button.**

The display message returns to "LOUD OFF."



Using RDS Functions

What is RDS?

RDS (Radio Data System) is a system for transmitting data signals along with FM programs. These data signals, which are inaudible, provide a variety of features such as: program service name, program type display, traffic announcement standby, automatic tuning, and program type tuning, intended to aid radio listeners in tuning to a desired station.

Notes:

1. RDS service may not be provided by all stations.
2. RDS functions, like AF and TA, are only active when your radio is tuned to RDS stations.

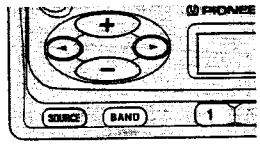
Program Service Name Display

With this function, the names of networks/stations providing RDS services replace the frequency on the display a few seconds after they are tuned in.

Displaying the Frequency

- **Hold down the BAND button for 2 seconds or longer.**

  The frequency of the current station is displayed until the button is released.

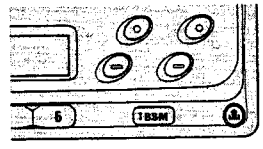


Displaying PTY Information

- **Press the TA button for 2 seconds or longer.**

  PTY information for the currently tuned station appears on the display for 8 seconds. The information is correlated with the list in the section "PTY Search Setting Function" on page 21.

  If the currently tuned station is not broadcasting a PTY code or its PTY code is not among those listed in the section "PTY Search Setting Function" on page 21, "NO PTY" appears on the display.



AF Function

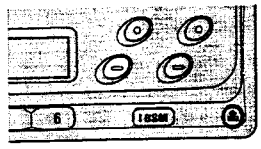
The AF (Alternative Frequencies search) function is used to search for other frequencies in the same network as the currently tuned frequency. It automatically mutes the sound and retuneds the receiver to another frequency in the network which is broadcasting a stronger signal when there are problems with reception of the currently turned station or better reception is possible on a different frequency.

Activating/deactivating the AF Funtion

AF is set to ON by default.

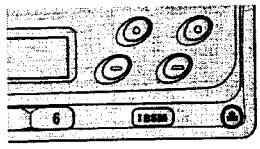
- **Press the AF button to turn AF to OFF.**

  The "AF" indicator light is extinguished.



- **Press the AF button again to turn AF back ON.**

  The "AF" indicator lights.



Notes:

1. When you recall a preset station, the tuner may update the preset station with a new frequency from the station's AF list. No preset number appears on the display if the RDS data for the station reveived differs from that for the originally input station.
2. Sound may be temporarily interrupted by another program during an AF frequency search.
3. AF can be switched ON or OFF independently for each FM band.
4. AF tunes the receiver only to RDS stations when you use Seek tuning or BSM Auto Memory with the "AF" indicator ON.
5. When the tuner is tuned to a non-RDS station, the "AF" indicator flashes.

PI Seek function

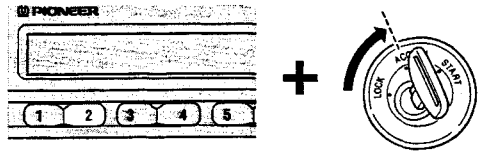
If the tuner fails to locate a suitable alternative frequency or the broadcasting signal is too weak for proper reception, "PI SEEK" appears on the display, and the tuner searches for another frequency broadcasting the same or related programming.

The radio volume is muted somewhat longer during a PI Seek than normal. The muting is discontinued after completion of the PI Seek, whether or not the PI Seek has succeeded. If the PI Seek is unsuccessful, the tuner returns to the previous frequency.

PI Seek ON/OFF Switching

The default setting for PI Seek is OFF.

- **To switch PI Seek ON, hold down button 2 while turning the ignition key from OFF (Lock) to ON (ACC).**



REG Function

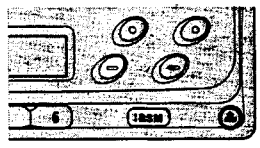
When AF is used to retune the tuner automatically, REG (regional) limits the selection to stations broadcasting regional programming.

Activating/Deactivating REG

The REG function can be turned ON or OFF independently for each FM band.

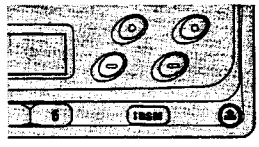
- **To activate REG, press the AF button for 2 seconds or longer in an FM band.**

  The "REG" indicator lights.



- **To exit the REG mode, press the AF button for 2 seconds or longer again.**

  The "REG" indicator is extinguished.



Notes:

1. Regional programming and regional networks are organized differently depending on the country (i.e., they may change according to the hour, state or broadcast area).
2. The preset number may disappear on the display if the tuner tunes in a regional station which differs from the originally set station.

TA Function

The TA (Traffic Announcement standby) function to let you tune in traffic announcements automatically, no matter what source (tuner or built-in CD player) you are listening to. The TA function can be activated for either a TP station (a station that broadcasts traffic information) or an EON TP station (a station carrying information which cross-references TP stations).

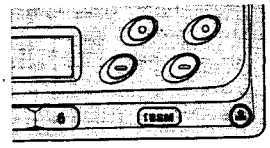
Activating/Deactivating the TA Function

- **Tune in a TP or EON TP station.**

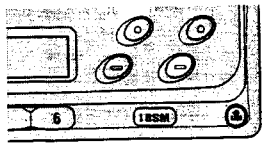
  The "TP" indicator lights when the tuner is tuned to a TP station, and both the "EON" and "TP" indicators light when it is tuned to an EON TP station.

- **Press the TA button.**

  The "TA" indicator lights, indicating that the tuner is waiting for traffic announcements.



- **Press the TA button again when no traffic announcement is being received to deactivate the TA function.**



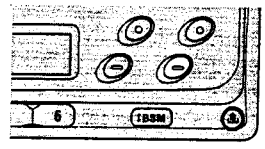
Notes:

1. Only the (+), (–), TA, AF and SOURCE buttons can be used during traffic announcement reception.
2. The system switches back to the original source following traffic announcement reception.
3. The TA function can be activated from the built-in CD player mode if the tuner was last set to the FM band but not if it was last set to the MW/LW band.
4. If the tuner was last set to FM, tuning on the TA function lets you operate other tuning functions while listening to a CD.
5. Only TP or EON-TP stations are tuned in the Seek Tuning mode when the "TA" indicator is ON.
6. Only TP or EON-TP stations are stored by BSM when the "TA" indicator is ON.

Canceling Traffic Announcements

- **Press the TA button while a traffic announcement is being received to cancel the announcement and return to the original source.**

  The announcement is canceled but the tuner remains in the TA mode until the TA button is pressed again.

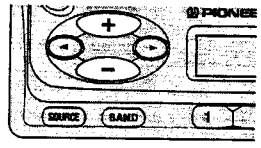


Adjusting the TA Volume

When a traffic announcement begins, the volume adjusts automatically to a preset level to enable you to hear the announcement clearly.

- **Using the (+) or (–) buttons to set the volume by adjusting it during traffic announcement reception.**

  The newly set volume is stored in memory and recalled for subsequent traffic announcements.



TP Alarm function

About 30 seconds after the "TP" or "EON" indicator is extinguished due to a weak signal, a 5 second beep sounds to remind you to select another station.

- **If you are listening to the tuner, tune in another TP station.**

  In the built-in CD player mode, the tuner automatically seeks out the TP station with the strongest signal in the current area 10 seconds after "TP" disappears from the display.

PTY Function

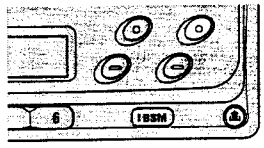
The PTY function enables you to select stations by the type of programming they broadcast (PTY Search). It also provides automatic tuning for emergency broadcasts (PTY Alarm).

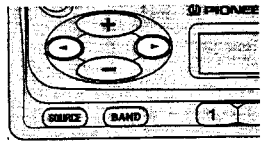
PTY Search Setting Function

1. Press the PTY button for 2 seconds or longer.

The "PTY" indicator lights and the name of a programming type appears on the display for 5 seconds.

Note: CURRENT sets desired PTY to the program type of the current station (only for RDS stations broadcasting PTY information).

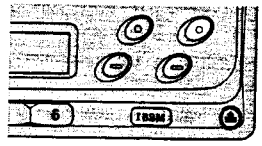




2. Use the (◄) or (►) buttons to select one of the following PTYs:

1. AFFAIRS: Topical programs expanding upon the news.
2. CLASSICS: Serious classics; performances of major orchestral works.
3. CULTURE: Programs concerned with any aspect of national or regional culture.
4. DRAMA: All radio plays and serials.
5. EASY MUS: "Easy listening" music.
6. EDUCATE: Educational programs.
7. INFO: General information and advice.
8. L. CLASS: Light classics; classical music for non-specialist appreciation.
9. NEWS: Short accounts of facts, events, publicly expressed views, reportage, etc.
10. OTH MUS:Other types of music, such as, Jazz, R & B, Folk, Country, Reggae.
11. POP MUS: Commercial music of popular appeal.
12. ROCK MUS: Contemporary modern music.
13. SCIENCE: Programs about nature, science, and technology.
14. SPORT: Programs concerned with any aspect of sports.
15. VARIED: Light entertainment programs.

3. **When the desired programming type appears on the display, press the PTY button to return to the normal display**



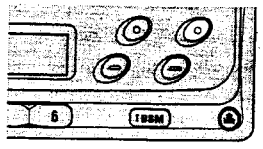
PTY Search Function

- **Press the PTY button to initiate a PTY search.**

  "PTY" and the programming type flash on the display and the tuner searches for a station broadcasting the desired PTY code.

  Notes:

  1. The programming on some stations may differ from that indicated by their PTY code.
  2. If no station broadcasting the selected programming type is found, "NO PTY" is displayed for about 2 seconds, and the tuner returns to the original station.



PTY Alarm

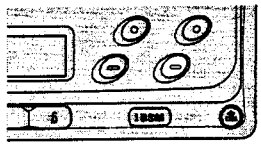
PTY Alarm is a special PTY code for announcements regarding emergencies such as natural disasters. When the tuner receives the radio alarm code, "ALARM" appears on the display and the volume adjusts to the TA volume. When the station stops broadcasting the emergency announcement, the system returns to the previous source.

Notes:

1. Only the (+), (–), TA, AF and SOURCE buttons can be used during emergency announcement reception.
2. The system switches back to the original source following emergency announcement reception.
3. The PTY Alarm function is not activated in the built-in CD player mode if the tuner was last set to the MW/LW band.

Canceling Emergency Announcements

- **Press the TA button during emergency announcement reception to cancel the announcement and return to the original source.**



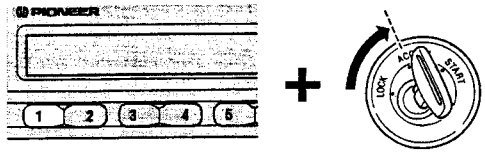
Tuning Step Adjustment

Normally set at 50 kHz during Seek tuning in the FM mode, the tuning step changes to 100 kHz when the AF or TA mode is activated. In some countries it may be preferable to set tuning step to 50 kHz in the AF mode.

- **Turn the ignition from OFF (Lock) to ON (ACC) while holding down button 1.**

  Notes:

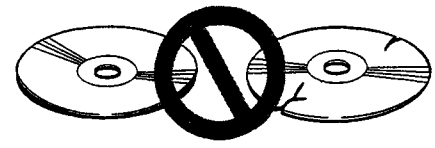
  1. The tuning step remains set at 50 kHz during Manual tuning.
  2. The tuning step returns to 100 kHz if the battery is temporarily disconnected.



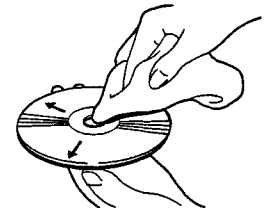
Disc Selection and Care

- Play only CDs bearing the Compact Disc Digital Audio mark.

- Check all CDs before playing, and discard cracked, scratched or warped discs.



- Wipe dirty or damp discs outward from the center with a soft cloth.

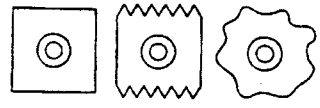


- Avoid touching the recorded (iridescent) surface when handling discs.
- Store discs in their cases when not in use.

Precaution:

* Keep discs out of direct sunlight and high temperatures.
* Do not affix labels or apply chemicals to discs.
* Condensation may collect inside the player when using the heater in cold weather, interfering with playback. Turn it off for an hour or so and wipe damp discs with a soft cloth.
* Road shocks may interrupt CD playback.

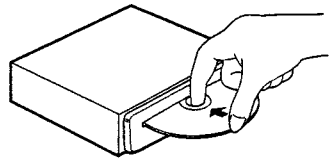
* Be sure to use round shape disc's only for this unit and never use any other special shape discs. Use of special shape disc's may cause damage to the mechanism.



Using the Built-in CD Player

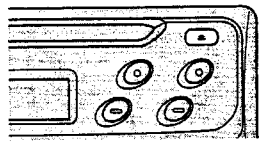
The built-in CD player plays one standard 12 cm or 8 cm (single) CD at a time. Do not use an adapter when playing 8 cm CD.

nserting and Removing Discs



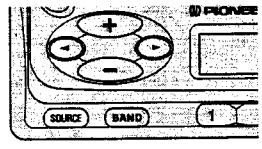
- **Insert the disc with the recorded (iridescent) surface down.**

  CD playback begins immediately, whether or not the player is ON or the built-in CD source selected. The track number and playing time are displayed.



- **Press the Eject button to eject any disc loaded in the disc slot.**

?laying the Built-in CD player



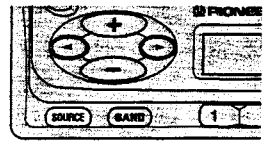
- **To play a CD that is already loaded, press the SOURCE button with a CD loaded to select the built-in CD player.**

  The built-in CD player is selected only when a CD is loaded.

  Note: See "Audio Adjustment" on pages 12-15 for volume and tone adjustment.

- **To stop CD playback, press the SOURCE button to select tuner or turn the source OFF.**

  When the built-in CD player is selected again, playback begins at approximately the same place (track/playing time).



Precaution:

* Inserting more than one disc at a time may damage the built-in CD player.
* Discs left partially inserted after ejection may incur damage or fall out.
* If a disc cannot be inserted fully or playback fails, make sure the recorded side is down, push the Eject button and check the disc for damage before reinserting it.
* If a CD is inserted with the recorded side up, it will be ejected automatically after a few moments.
* If the built-in CD player cannot operate properly, an error message (such as ERROR-14) appears on the display. Refer to "CD Player Troubleshooting" on page 30.

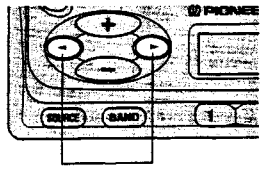
Track Search and Fast-forward/Reverse

Switching the Mode

- **Press the (◄) and (►) buttons simultaneously to switch between "MANU" indicator ON and OFF.**

  When performing a Track Search, switch the "MANU" indicator OFF.

  When performing Fast-forward/Reverse operations, switch the "MANU" indicator ON.

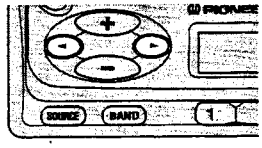


Track Search

This feature permits you to select a specific track on the CD by number.

- **Press the (◄) button or the (►) button to reverse or advance track by track.**

  Hold down the button continuously for high-speed forward or reverse track searching. The track number and playing time change appropriately on the display.



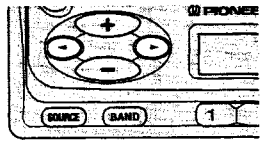
Fast-forward/Reverse

This feature enables you to advance or reverse at high speed between tracks.

- **Press the (◄) or (►) button to reverse or fast-forward through tracks.**

  When the beginning or end of a track is reached, playback skips to the next track. The track number and playing time change appropriately on the display.

  Note: The audio is audible as a high-pitched screeching during fast-forward and reverse.

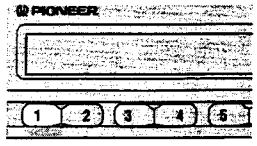


Pause

- **Press button 1 to stop playback temporarily.**

  "PAUSE" is displayed.

  Push the button again to restart playback.



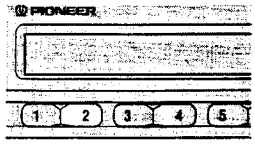
Built-in CD Player Repeat Modes

The built-in CD player offers two repeat modes: Disc Repeat (normal play), the default mode, and One-track Repeat.

- **To select One-track Repeat, press button 2.**

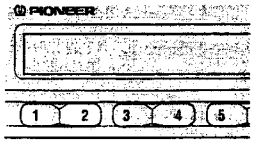
  "RPT" appears on the display.

  Note: When Track Number Search or fast forward/reverse is performed, the mode returns to the default Disc Repeat mode (normal play).



- **Press the button 2 again to return to the Disc Repeat mode (normal play).**

  "RPT" disappears.

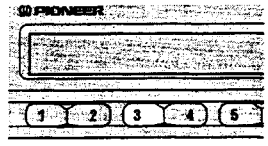


Random Play

The Random Play mode plays the tracks on a CD in random order for variety.

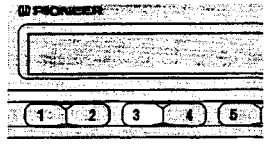
- **To enter the Random Play mode, press button 3.**

  "RDM" appears on the display.



- **Press button 3 again to cancel Random Play.**

  Note: Since playback is random, the same track may be repeated consecutively.

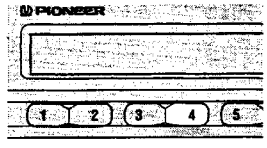


Scan Play

Scan Play plays the first 10 seconds or so of each track on a CD in succession.

- **Press button 4 to start Scan Play.**

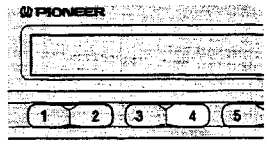
  "SCAN" appears on the display.



- **Push button 4 again to cancel Scan Play when you hear a track you are want to listen to.**

  Playback of the current track continues.

  Note: Scan Play is canceled automatically after all the tracks on a disc have been scanned.



CD Player Troubleshooting

When problems occur with CD playback, an error message appears on the display. Refer to the table below to identify the problem, then take the suggested corrective action. If the error persists, contact your dealer or your nearest PIONEER Service Station.

Message	Possible cause	Recommended action
ERROR- 11, 12, 14, 17, 30	Dirty disc.	Clean the disc.
ERROR- 11, 12, 17, 30	Scratched disc.	Replace the disc.
ERROR- 14	Unrecorded CD.	Check the disc.
ERROR- 10, 11,12, 14, 17, 30, A0	Electrical or mechanical problem.	Turn the ignitionON and OFF, or switch to a different source, then back to the CD player.
HEAT	CD player overheating.	Discontinue play until the machine temperature drops.

Specifications

General

Power source	14.4 V DC (10.8 — 15.1 V allowable)
Grounding system	Negative type
Max. current consumption	10.0 A
Dimensions	
(mounting size)	178 (W) × 50 (H) × 150 (D) mm
(front face)	188 (W) × 58 (H) × 22 (D) mm
Weight	1.5 kg

Amplifier

Maximum power output	35 W × 4
Continuous power output	22 W × 4 (DIN45324, +B=14.4 V)
Load impedance	4 Ω (4 — 8 Ω allowable)
Preout output level/output impedance	500 mV/ 1 kΩ
Tone controls	
(Bass)	±12 dB (100 Hz)
(Treble)	±12 dB (10 kHz)
Loudness contour	+10 dB (100 Hz), +7 dB (10 kHz) (volume: –30 dB)

Specifications

CD player

System ..... Compact disc audio system
Usable discs ..... Compact disc
Signal format ..... Sampling frequency: 44.1 kHz
Number of quantization bits: 16; linear
Frequency characteristics ..... 5 — 20,000 Hz (±1 dB)
Signal-to-noise ratio ..... 94 dB (1 kHz)(IEC-A network)
Dynamic range ..... 90 dB (1 kHz)
Number of channels ..... 2 (stereo)

FM tuner

Frequency range ..... 87.5 — 108 MHz
Usable sensitivity ..... 11 dBf (1.0 µV/75Ω, mono, S/N: 30 dB)
50 dB quieting sensitivity ..... 16 dBf (1.7 µV/75Ω, mono)
Signal-to-noise ratio ..... 70 dB (IEC-A network)
Distortion ..... 0.3% (at 65 dBf, 1 kHz, stereo)
Frequency response ..... 30 — 15,000 Hz (±3 dB)
Stereo separation ..... 40 dB (at 65 dBf, 1 kHz)

MW tuner

Frequency range ..... 531 — 1,602 kHz
Usable sensitivity ..... 18 µV (25 dB) (S/N: 20 dB)
Selectivity ..... 50 dB (±9 kHz)

LW tuner

Frequency range ..... 153 — 281 kHz
Usable sensitivity ..... 30 µV (30 dB) (S/N: 20 dB)
Selectivity ..... 50 dB (±9 kHz)

Note:
Specifications and the design are subject to possible modification without notice due to improvements.